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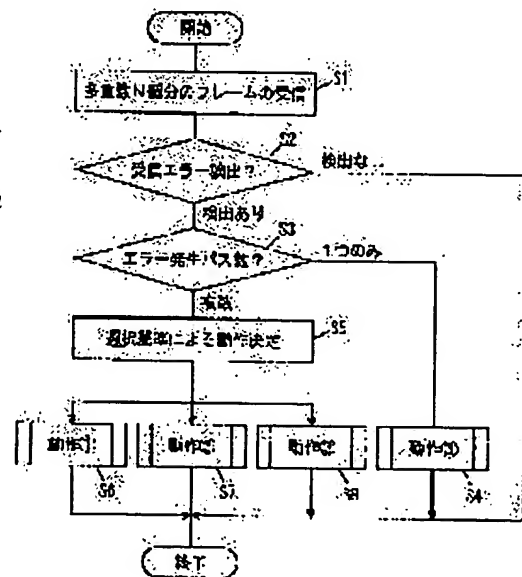
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(54) WIRELESS APPARATUS, WIRELESS COMMUNICATION SYSTEM, SPACE PATH CONTROL METHOD, AND SPACE PATH CONTROL PROGRAM

(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a wireless apparatus, a wireless communication system, a space path control method, and a space path control program capable of maintaining connection between a terminal and a base station even when interference of paths takes place in the MIMO (Multi Input Multi Output) system where a PDMA (Path Division Multiple Access) base station makes communication with a single terminal via a plurality of paths.

**SOLUTION:** In a mobile communication system compatible with the MIMO system, each of terminals/base stations properly applies switching control to a communication operation in a space path among a plurality of kinds of operations on the basis of communication quality information in the space path where a reception error is detected. In the first operation, one path is left and the other paths are interrupted. In the second operation, path diversity is performed. In the third operation, the modulation factor of the path



*is decreased. A DSP executes the operations above.*

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